

AMENDMENTS TO THE SPECIFICATION

Please amend paragraph 0028 of the specification as follows:

[0028] Aged Neodymium ~~trichloroacetate~~^{trichloroacetate}/diethyl zinc/glycerin (containing 0.00075mol Neodymiumyttrium trichloroacetate, 0.015 mol ZnEt₂, 0.015 mol glycerin, and 0.150 mol propylene carbonate, CO₂ at 20 atmospheric pressure, aged for 12 hrs) was used as the catalyst. The catalyst and 80 ml propylene oxide were put into the autoclave in the absence of oxygen, quickly filling in CO₂ and maintaining the pressure at 30 atmospheres. The polymerization was carried out at 70°C for 10 hrs. The reaction was terminated by addition of 5% HCl/methanol solution and the precipitate was purified by repeated precipitation. Propylene oxide conversion was 69%. The final yield of white polycarbonate was 60.3g(8.04×10^4 g polymer/mol Nd). The result of elemental analysis is: C%: 47.93, H%: 6.01 (the theoretical value for alternative copolymer is C%: 47.06, H%: 5.92). ¹H NMR measurement: content of alternative sequence structure is higher than 98%. M_n= 45,000; the glass transition temperature is 39.1°C.